WARMING and VENTILATING.—COTTAM and HALLEN, 8 Wimpole-street, Oxford-street, having had 19 by years' experience, and having warmed by the air system all her valet upwards of FOUR THOUSAND BUILDINGS, consisting of Churches, Prisons, Lunatic Asylums, Halls and mansions, Theatres, Conservatories, Forcing Houses, &c., can with confidence recommend their system, which, by the various improvements they have made has PERFECTED THE CONSTRUCTION AND ECONOMIZED THE EXPENSE. Greenhouses, Conservatories Verandahs, constructed entirely of iron or wood, and of iron and wood combined. Estimates upon application.

COTTAM and HALLEN, Engineers and Iron Founders, 8, Wimpole-street, Oxford-street, London.

LOSH, WILSON, and BELL, NEWCASTLE-ON-TYNE, Manufacturers of Wrought Iron, Railway Bars Forge and Engine Work, Cast Iron Goods, and STEWARTS PATENT CAST-IRON GAS and WATER PIPES. Office, No. 7, Mincing-lane, London.

CAST-IRON PIPES, IRON WORK FOR OVENS, &c.

RAIN PIPES, &c.—P. A. TIDDEMAN and Co. St. Ann's Wharf, Earl-street, City, near Blackfriars-bridge, keep a large stock of Rain Pipes, Heads, Shoes, Elbows, &c. half round and O. G. Gutters, Socket Pipes for Water or Gas, Flanch Pipes, Bush Weights, and other Castings. Iron Work for Bakers Ovens of every description, fitted complete to be had in sets or in parts.—Prices equal to all competition. Contracts taken to any extent. Goods landed. A powerful crane.

CHURCH BELLS of the highest quality of tone and finish, at 1s per lb. Peals of bells re-cast and augmented. House bells, with improved sliding and wrought-iron cheeks, 1s per lb. Cranks at proportionately reduced prices.—Apply to BARRETT and OSBORNE, Bishopsgate Foundry, Leonard-street, London.

CHURCH and TURRET BELLS cast in any weight, and tuned. Ship plate tablets, hotels, sheep, cup, and stock bells of any size.

MUSICAL HAND BELLS

Tuned to the chromatic scale, with improved clappers, and mounted on a new system which gives superior tone and facility for ringing.

Room-call Engines, Pulpit Lights, and Brackets, &c.

Old Bells re-cast or taken in exchange

J. WARNER & SONS, BELL FOUNDERS, ENGINEERS, &c.

TO BUILDERS AND PLUMBERS.

The attention of the Trade is called to JOHN WARNER & SONS' PATENT VIBRATING STANDARD PUMP,

which is recommended for the simplicity of its construction, and the ease with which it works.

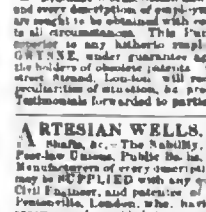
By the introduction of the vibrating standard, the cumbrous carriage and expensive slings and guides are unnecessary, rendering the price considerably less than pumps made on the old plan.

Rent and Water Engines for raising fluids from a depth not exceeding 30 feet; also, Garden Engines constructed on the same principle.

JOHN WARNER & SONS, 8, Cresent, Jewin-street, London, Manufacturers and Patentees.

THE GWYNNE PUMP, for Mines, Ships, Dyehouse Works, Steam and Locomotive Engines, Waterworks, and every description of purposes to which power and efficiency are sought to be obtained with economy, and a general applicant fitly to all circumstances. This Pump, which is acknowledged to be superior to any hitherto employed, is supplied by MR. JOHN GWYNNE, under guarantee and not infringement of any kind from the holders of obsolete patents. Orders addr and to No. 1, Agar-street, Strand, London, will receive immediate attention. Local peculiarities of situation, &c. provided for by special arrangements. Testimonials forwarded to parties requiring them.

ARTESIAN WELLS, Boring for Water, Sinking Shafts, &c.—The Nobility, Gentry, Water Companies, Towns, Public Bodies, Breweries, Distillers, Paper-makers, Manufacturers of every description and others requiring WATER, may be SUPPLIED with any quantity by DAVID ORRERLEY, Civil Engineer, and patentee of boring tools, 19, Canning-street, Pentonville, London, who, having had upwards of twenty years' experience is enabled to give the most satisfactory and highly respectable references. Pumps and machinery of every description for raising water from deep wells, boring tools with suitable pipes for exportation, with instructions. Mens and tools supplied to bore for railroads, minerals, &c.



A SAVING of TIME and MATERIALS with solidity of building SAYER'S GOODS PATENT PORTABLE STEAM-ENGINES of 8, 12, 4, and 6-horse power, for grinding mortar, raising building materials, driving piles, circular saws, pumps, &c., of, Albert-street, Manchester

TESTIMONIAL from Charles Barry, Esq., to Great George-street, Westminster. London, Oct. 27, 1848.

Mr Nathan Gough,

Sir,—I have, for Mr Barry, the pleasure of replying to your request of the 4th inst., for a testimonial of the working of three steam-engines you have supplied to the New Houses of Parliament at Westminster, by saying that they have fully answered the purposes for which they were supplied viz., hoisting the building materials; and two of the three have been at work for some years with very little repairs, and with considerable economy of fuel.—I am, Sir, your obedient servant,

Per pro CHARLES BARRY, ALFRED MIXSON.

GREAT EXHIBITION, Class 7, No. 156, GREEN'S REGISTERED WINDGUARD, is the cheapest and most effective article for the cure of SMOKY CHIMNEYS caused by the wind, and the only one that can be obtained with the common insertion to the ordinary sweeping of the chimney-pots, according to size from 5s. to 7s. 6d. Apply to ISAAC GREEN, 3, Victoria-place, Pimlico-road, 98, Pimlico Church, Buckingham-square, London. N.B. A month's trial allowed; if not successful, money returned!!

TO ARCHITECTS, BUILDERS, &c.

ALL descriptions of TERRA COTTA, CEMENT, and PLASTER CASTINGS, executed in a first-rate manner, on reasonable terms, by J. HERBERT and SON, Modellers, &c. 48, Parker-street, Drury-lane. A splendid assortment of Corinthian, Ionic, and other Capitals, Centre Flowers, Balusters, Trusses, &c.; Chimney-tops and other Cottage Shafts.

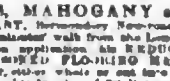
REDUCED PRICES.—EDWARD SIMMS, Slate Merchant, Queen's, of Wilton-road, Pimlico Basin, would respectfully inform Builders and the Trade that he has now on hand, at his Manufactory (the first of its kind ever established), a very large Assortment of Dry and Well-seasoned OAK and DEAL PLANED FLOORING BOARDS and MATCH BOARDING of all sorts, from 4 inch to 12 inch thick, planed to a parallel width and thickness, and at greatly Reduced Prices. Also, Timber, Deals Cask, Planks, Scantlings, Sash rails, Mouldings prepared by Machinery, Laths, &c.—Apply at E. SIMMS'S late W. Grover's Flooring Manufactory, Wilton-road, Pimlico Basin.

T. ADAMS, MAHOGANY and TIMBER MERCHANT, Bermondsey New-road, near the British Queen Arms, ten minutes' walk from the London Bridge Station, will forward, upon application, his REDUCED LIST of the PRICES for MEASURED FLOORING BOARDS, MATCH BOARDS, Deals, and Timber, either whole or cut for any building, new and condition, &c. Also, his drawing of his Patterns of MOULDINGS, on receipt of two postage stamps.—T. A. continues to offer all the advantages as stated in his previous advertisements.

Pimlico Wharf, South place.

LATHS.—J. and E. KNIGHT beg to inform all Builders and others they are now making Laths of the best quality at 4s. per 1000, or per 3s bundles, every bundle to measure, and running feet, warranted to cover four yards and a half. Wine coopers' and other Laths made to order on the shortest notice on the lowest possible terms.

NUIEN PATENT



PLANING MACHINE

SAW MILLS, GILLINGHAM-STREET, PIMLICO.

TIMBER of any size, PLANKS, DEALS, and BATTENS, &c., sawn on the most approved principle, thoroughly seasoned, matched, and grooved, by Mair's Patent Machinery. The Mills have all the advantages of navigation and water-carriage, being connected with the Thames by the Grosvenor Canal. Goods fetched from the docks, and carted home free of charge.

Address to HENRY SOUTHAM, Saw Mills, Gillingham-street, Pimlico.

N.B. Estimates given for Sawing and Planing.

THE GENERAL WOOD-CUTTING COMPANY, TIMBER WHARF, SAWING, PLANING, AND MOULDING MILLS, Horsedown-road, Lambeth, near Waterloo-bridge.

are prepared to supply timber and deals, &c., cut and sawed, to any extent on the current prices of the day. They keep a large stock of WELL-SEASONED FLOORING and MATCH BOARDS, which, being manufactured by themselves, they offer at the lowest remunerating profit. Buyers of timber, &c., from the Company will find their extensive use enable a convenience for the immediate conversion of their purchases to any purpose which may suit them.

The Company beg leave to call the attention of the trade to their NEW MOULDING LIST, the largest ever published, and to state that, in addition to the numerous patterns therein contained, their machinery enables them to execute every description of moulding from drawings, &c., with an accuracy and expedition which must insure satisfaction.

The moulding list, containing nearly 300 diagrams, with prices attached, may be had at the mills, or shall be forwarded on receipt of six postage stamps (the amount of the postage thereon).

N.B.—The Company (without previous preparation) manufactured and delivered to the Great Exhibition fifty statute miles of mouldings within ten days after receiving them. Fox, Henderson, and Co.'s order, which these gentlemen have certified, and that the work was executed to their entire satisfaction.

NOTICE.—SAW-MILLS.—Commercial-road, Lambeth, between Blackfriars and Waterloo Bridges.—T. F. ALLCOCK, not being a Dealer in Deals or Timber, respectfully announces to the Trade that his extensive Works of the most improved Sawing and Planing Machinery, continues in full operation on Condemned Stock only, offering great advantages to large consumers. T. F. ALLCOCK returns his best thanks for the liberal patronage received for many years. Country and all post rooms attended to and cards of prices forwarded instanter.

Apply at the Office at the Works, as above.

MOULDINGS BY MACHINERY.—ARCHBUTT and ATKINSON have just published a new and enlarged list, containing nearly 300 diagrams of Mouldings, with prices attached, lower than any ever yet offered. A copy will be forwarded on receipt of four postage stamps.

A hand A have also on sale FLOORING PREPARED and PLANED to a parallel width and thickness by improved patent machinery, at greatly REDUCED PRICES, as under:—

	Per square			Per square
	s. d.			s. d.
1-inch Yellow	14 0		1-inch White	15 0
1-inch ditto	13 0		1-inch ditto	11 0
1-inch ditto	12 0		1-inch ditto	10 0

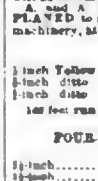
100 feet run of 9-inch boards to the square, and 120 feet run of 7-inch boards to ditto.

FOUR-PANELLED DOORS, per foot superficial:—

Square.	Moulded one side.	Moulded both sides.
2½-inch.....	4½d.	5d.	5½d.
2-inch.....	3½d.	4d.	4½d.
1-inch	2½d.	3d.	3½d.

TERMS CASH. Saint Pancras Sawing, Planing, and Moulding Mills, Cumberland-street, Old Saint Pancras-road, close to the Goods Terminus of the Great Northern Railway.

CHARLES WM. WATERLOW, Manufacturer of Sashes and Frames, and Joiner to the Trade, 120, Bunhill-row, Finsbury-square.

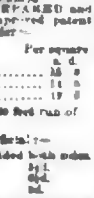


Well seasoned materials, superior work manship, lowest prices.

Cramer's of FOUR HUNDRED DOORS, and a large variety of Sashes and Frames, always on sale.

Glazed goods securely packed for the country. Steam stretch wood cheap to any quantity.

N.B. This Establishment is worth the notice of all engaged in building.



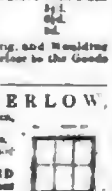
NOTICE of REMOVAL.—JOHNSON & PASK, Sash, Shop Front, and Door Makers to the Trade,

beg to inform their Customers and the Public generally, that they have removed to more extensive premises in

BAKER-STREET, BAGRIGGE WELLS-ROAD,

where they have convenience for carrying on a larger business.

N.B. By inclosing a postage stamp, a full list of prices may be had by return of post.



WINDOW BLINDS.—TYLOR and PACE, Window Blind Manufacturers, 213 (Orford-street, adjoining Hanover-street) and 8, Queen-street, Cheapside, London, submit the following PRICES of WINDOW BLINDS, which they can recommend as being made in the best manner:—Mahogany blinds, per square foot, 8d.; 1 pair holland blinds, on rollers, 6d.; bass ditto, on spring rollers, 9d.; green wire blinds in mahogany frames, to 1st; perforated zinc blinds, in ditto, to 8d.; cambric blinds of striped cloth in ditto, to 9d. Transparent blinds in great variety. Engravings, with prices and discounts to builders and the trade, forwarded on application, post free.

DAMP WALLS.—NEW PATENT PAINT, to be applied on the THAMES TUNNEL, possessing effective and permanent liquids or not, in quantities to finish 8 square yards for 1s.

PATENT LIQUID CEMENT for the fronts of houses, for beauty pre-eminent, giving the appearance of fine cut stone, and only one-tenth the cost of Oil Paint. In casks of 1, 2, and 5 cwt. at 2s. 1lb., and 21s. each.

PATENT MINERAL ZINC PAINTS invaluable for cheapness, beauty, and permanence, ready for use. White Stone and Lead, in Greens and Blues, 4s. per gallon.

BLACK MINERAL PAINT, very permanent, half the usual price; only 1s. per Gallon.

NEW PATENT COLOUR for inside work, may be applied on Wood Brown, Cement, or over Oil Paint. No smell, and will dry in an hour. In casks of 1 cwt. at 14s.

G. BELL and CO., Broom Mills, 8, Wellington-street, Gosswell-street.

HUBBUCK'S PATENT WHITE ZINC PAINT.—The PERMANENT WHITE of the Ancients, for its qualities hitherto restricted to the use of the artist, is now offered at the price of the ordinary white lead paint.

Paint owes those who the proprietors placed their manufacture on a large basis, are put this elegant Paint in competition with White Lead.

It is confessed superiority over every other paint hitherto known brought lower and various testimonials.

Time is better productions frequently made from zinc ores containing lead, arsenic, and other deleterious material, either injurious to health, deficient in body, and reducing the preservative properties for which the original paint stands pre-eminent.

In justice to the proprietors these should not be confounded with the original, even though sold under the pretences, true it is all the same.

HUBBUCK'S Paint is entirely free from any injurious properties whatever, is a healthful in the manufacture, healthful in use, and healthful to occupants of rooms newly painted with it.

As a guard to the purchaser against the substitution of the inferior paints, each cask is stamped

"HUBBUCK, LONDON, PATENT,"

and if the cask has not been so marked, the reason is obvious.

A Circular with full particulars may be had of THOMAS HUBBUCK and SON, Colour Manufacturers, opposite the London Docks.

THE TWO GREATEST IMPROVEMENTS IN BUILDING

THE SHEET ZINC from the VIEILLE MONTAGNE COMPANY is already so well appreciated in Great Britain for its superior quality, cheapness, and great durability for roofing purposes, &c. that we need only mention, that during last year above several thousand tons of zinc have been used for COVERING BUILDINGS, BREATHING SHIPS, and other manufacturing purposes.

THE PATENT WHITE ZINC PAINT was first brought under public notice in England a few years ago by the Patentees, the Vieille Montagne Zinc Mining Company. The superiority of this paint over white lead has now been universally established, that it will be unnecessary to state that the Zinc Paint, the most economical pigment ever, has acquired it ever since its introduction to the market. When used in an ungrinded state, its relief and unique and chameleon brilliancy of colours, hardness, durability, material basis by heat air or sun, and not injurious to health.—For further particulars apply to Mr. H. F. SCHNELL, General Agent to the Vieille Montagne Company, 13, Bloomsbury-buildings, Westminster.

THE WASHINGTON CHEMICAL COMPANY, NEWCASTLE-ON-TYNE; Manufacturers of

PATTINSON'S OXICHLORIDE of LEAD.—The Washington Chemical Company having, during the last year, established a Manufactory of Pattinson's Oxichloride of Lead on a large scale, and being able to supply it with regularity, and to execute orders without delay, now proceed to bring this new and valuable preservative of Lead before their friends and the public, quite sure that it will need no introduction, because it is new and that if judged by its merits, it must make its way, and finally take its place as one of the important manufactures of this country.

Pattinson's Oxichloride of Lead is a chemical combination of one equivalent of Chloride of Lead and one equivalent of Oxide of Lead; it being well known that a White Lead is a chemical combination of one equivalent of Oxide of Lead, and one equivalent or thereabouts of Carbonic Acid, constituting what is called in the usual language, Carbonate of Lead. Now there is no reason to suppose that Carbonate of Lead is the only compound of lead valuable as a paint, and still less that it should be the best compound of lead for that purpose. In proof of fact it is stated, that the newly-discovered Oxichloride is such, if not in all two cases is far superior; its colour is brilliantly white, and in a number of cases it has been tried against the best White Lead that could be obtained, and after a period of two years it has been found to be quite as durable, considerably better than the lead against which it was tried.

But the chief end by far the most important advantage it possesses in its remarkable and very decided superiority of Body; by which term the power of covering surface well and economically, is understood among Painters. The intentions of the discoverers are to be very careful in preparing the Oxide, as to aid one at that time. The Washington Chemical Company have had abundant opportunities of placing its superiority to the impetus of particular beyond all doubt. They have themselves performed a number of experiments, and have also caused a number of experiments to be performed, in the same way by various practical men, to ascertain precisely the covering power of a pound of it when used with pure White Lead and then more mixed the proportions to be as 50 to 100, that is, 50 lbs. of Oxichloride paint will cover as much surface as 100 lbs. of the best White Lead, the covering of coat being to the same proportion; besides this, the coating is thicker and more protective, both in and out of doors, so that Oxichloride dries into a hard, homogeneous body, more like enamel than Paint.

In using the Oxichloride, no difference to the materials with which it is mixed is required. Oil and Turpentine being employed as usual both for work immediately under Painting and for work that need to be varnished. For the use of Paper Hangers and Leather Paper &c. the Oxichloride is found to be particularly suitable. The Washington Chemical Company strongly recommend this newly discovered substance to the notice of consumers, both as material of its economy, and its intrinsic good qualities as a paint.

OFFICE IN LONDON.—MR. B. DOBIE, No. 7, Mincing-lane, Office of the Washington Chemical Company, 8, Queen-street, Newcastle-on-Tyne, January 1, 1850.

FIRE-PROOF CONSTRUCTION.—FOX and BARRETT'S PATENT.—The great importance of fire-proof construction is shown by the recently published returns of fires in London during the past year, by which it appears that there is a considerable increase as compared with former years, the number annually exceeding 1,000, or an average of three per day.

This result affords strong corroboration of a fact stated upon high authority, THAT SO BUILDING IN WHICH TIMBER JOISTS ARE USED IS PRACTICALLY SECURE FROM THE DANGER OF FIRE, and when in this fact it is added that timber is also liable to dry rot and the ravages of the worm, for which it affords a ready harbour, the manifest arising from its extensive use will be sufficiently apparent.

It becomes then, worth the attention of those who are interested in building, to inquire whether materials of a fireproof character cannot be substituted for timber in the floors of houses, &c., without incurring additional cost; and attention is invited to a number of buildings of all classes, either finished or in course of erection, upon the above improved system, in which joists, either of rolled or cast-iron, are substituted for timber, together with a solid construction of concrete, adapted to receive a finished surface of floor or roof of any kind.

Among the buildings at present in progress in London on this system is the new ROYAL HOSPITAL, an extensive range, providing accommodation for 300 additional beds; and for buildings of this description and warehouses, as well as for PRIVATE DWELLING-HOUSES, OFFICES, WAREHOUSES, &c. it possesses very great advantages.

Detailed descriptions of the system, estimates, and all further information, may be obtained on application to the Proprietor of the patent,

MR. BARRETT, late Fox and Barrett, 18, York-buildings, Adelphi,

whose offices form part of a building erected on this principle, and where specimens of the finished work may be seen.